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 1 [CHI '07 extended abstracts on Human factors in computing systems](#)

Ads



Mary Beth Rosson, David Gilmore

April 2007 proceeding

Publisher: ACM

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Welcome to the CHI 2007 proceedings. We believe the technical papers and notes herein present some of the best current work in the diverse and dynamic field of human-computer interaction (HCI). CHI is the leading HCI conference. Creating the technical ...

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 2 [Multiview access protocols for large-scale replication](#)


Xiangning Liu, Abdelsalam Helal, Weimin Du

June 1998 ACM Transactions on Database Systems (TODS), Volume 23 Issue 2

Publisher: ACM

 Full text available: pdf(365.98 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 63, Citation Count: 2

The article proposes a scalable protocol for replication management in large-scale replicated systems. The protocol organizes sites and data replicas into a tree-structured, hierarchical cluster architecture. The basic idea of the protocol is to accomplish ...

Keyw ords: data replication, large-scale systems, multiview access

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 3 [An analysis of XML database solutions for the management of MPEG-7 media descriptions](#)


Utz Westermann, Wolfgang Klas

December 2003 ACM Computing Surveys (CSUR), Volume 35 Issue 4

Publisher: ACM

 Full text available: pdf(448.76 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 468, Citation Count: 7

MPEG-7 constitutes a promising standard for the description of multimedia content. It can

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be expected that a lot of applications based on MPEG-7 media descriptions will be set up in the near future. Therefore, means for the adequate management of large ...

Keyw ords: MPEG-7, XML database systems, multimedia databases

4 Cross-language spoken document retrieval using HMM-based retrieval model with multi-scale fusion



Wai-Kit Lo, Helen Meng, P. C. Ching

March 2003 ACM Transactions on Asian Language Information Processing (TALIP), Volume 2 Issue 1

Publisher: ACM

Full text available: pdf(218.61 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 64, Citation Count: 0

Cross-language spoken document retrieval (CL-SDR) is the technology that facilitates automatic retrieval of relevant information from a collection of spoken documents in a language that is different from that used in the queries. Information sources ...

Keyw ords: Cross-language information retrieval, Multi-scale data fusion, Spoken document retrieval

5 Adventures in XSC: our six-week countdown to extended service coverage



Jeffrey Lane, Annette Cutino, Marilyn McMillan

November 2002 SIGUCCS '02: Proceedings of the 30th annual ACM SIGUCCS conference on User services

Publisher: ACM

Full text available: pdf(234.63 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 21, Citation Count: 0

In Summer 2001, Information Technology Services (ITS) - New York University's central IT organization serving some 65,000 students, faculty, and staff - was charged with taking major steps toward meeting our clients' growing requirements for round-the-clock ...

Keyw ords: extended service, helpdesk, incident management, new services, staff training, standard operating procedures

6 Evolutionary testing of state-based programs



Phil McMinn, Mike Holcombe

June 2005 GECCO '05: Proceedings of the 2005 conference on Genetic and evolutionary computation

Publisher: ACM

Full text available: pdf(181.68 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 81, Citation Count: 2

The application of Evolutionary Algorithms to structural test data generation, known as Evolutionary Testing, has to date largely focused on programs with input-output behavior. However, the existence of state behavior in test objects presents additional ...

Keyw ords: automated test data generation, chaining approach, evolutionary testing, state-based programs

7 [Network routing with path vector protocols: theory and applications](#)

João Luis Sobrinho

August 2003 SI GCOMM '03: Proceedings of the 2003 conference on Applications, technologies, architectures, and protocols for computer communications

Publisher: ACM

Full text available: [pdf\(256.53 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 75, Citation Count: 6

Path vector protocols are currently in the limelight, mainly because the inter-domain routing protocol of the Internet, BGP (Border Gateway Protocol), belongs to this class. In this paper, we cast the operation of path vector protocols into a broad algebraic ...

Keyw ords: BGP, algebra, border gateway protocol, path vector protocols

8 [Enhancing modular OO verification with separation logic](#)

Wei-Ngan Chin, Cristina David, Huu Hai Nguyen, Shengchao Qin

January 2008 POPL '08: Proceedings of the 35th annual ACM SIGPLAN-SIGACT symposium on Principles of programming languages

Publisher: ACM

Full text available: [pdf\(304.96 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 58, Citation Count: 0

Conventional specifications for object-oriented (OO) programs must adhere to behavioral subtyping in support of class inheritance and method overriding. However, this requirement inherently weakens the specifications of overridden methods in superclasses, ...

Keyw ords: automated verification, enhanced subsumption, lossless casting, separation logic, static and dynamic specifications

9 [Trace preconstruction](#)

Quinn Jacobson, James E. Smith

May 2000 ACM SIGARCH Computer Architecture News, Volume 28 Issue 2

Publisher: ACM

Full text available: [pdf\(120.89 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 22, Citation Count: 6

Trace caches enable high bandwidth, low latency instruction supply, but have a high miss penalty and relatively large working sets. Consequently, their performance may suffer due to capacity and compulsory misses. Trace preconstruction augments a trace ...

10 [Enhancing modular OO verification with separation logic](#)

Wei-Ngan Chin, Cristina David, Huu Hai Nguyen, Shengchao Qin

January 2008 ACM SIGPLAN Notices, Volume 43 Issue 1

Publisher: ACM

Full text available: [pdf\(304.96 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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Conventional specifications for object-oriented (OO) programs must adhere to behavioral

subtyping in support of class inheritance and method overriding. However, this requirement inherently weakens the specifications of overridden methods in superclasses, ...

Keyw ords: automated verification, enhanced subsumption, lossless casting, separation logic, static and dynamic specifications

11 On incremental file system development



Erez Zadok, Rakesh Iyer, Nikolai Joukov, Gopalan Sivathanu, Charles P. Wright

May 2006 ACM Transactions on Storage (TOS), Volume 2 Issue 2

Publisher: ACM

Full text available: pdf(260.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 296, Citation Count: 3

Developing file systems from scratch is difficult and error prone. Using layered, or stackable, file systems is a powerful technique to incrementally extend the functionality of existing file systems on commodity OSes at runtime. In this article, we ...

Keyw ords: I/O manager, IRP, Layered file systems, VFS, extensibility, stackable file systems, vnode

12 Trace preconstruction



Quinn Jacobson, James E. Smith

June 2000 I SCA '00: Proceedings of the 27th annual international symposium on Computer architecture

Publisher: ACM

Full text available: pdf(120.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 22, Citation Count: 6

Trace caches enable high bandwidth, low latency instruction supply, but have a high miss penalty and relatively large working sets. Consequently, their performance may suffer due to capacity and compulsory misses. Trace preconstruction augments a trace ...

13 Scientific data repositories: designing for a moving target



Etzard Stolte, Christoph von Praun, Gustavo Alonso, Thomas Gross

June 2003 SIGMOD '03: Proceedings of the 2003 ACM SIGMOD international conference on Management of data

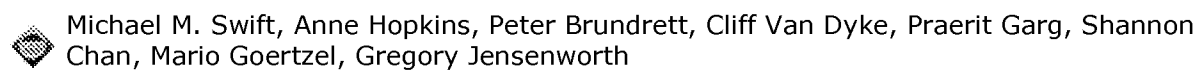
Publisher: ACM

Full text available: pdf(739.27 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 94, Citation Count: 2

Managing scientific data warehouses requires constant adaptations to cope with changes in processing algorithms, computing environments, database schemas, and usage patterns. We have faced this challenge in the RHESI Experimental Data Center (HEDC), ...

14 Improving the granularity of access control for Windows 2000



Michael M. Swift, Anne Hopkins, Peter Brundrett, Cliff Van Dyke, Praerit Garg, Shannon Chan, Mario Goertzel, Gregory Jensenworth

November 2002 ACM Transactions on Information and System Security (TISSEC),
Volume 5 Issue 4

Publisher: ACM

Full text available: pdf(447.78 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 165, Citation Count: 8

This article presents the mechanisms in Windows 2000 that enable fine-grained and centrally managed access control for both operating system components and applications. These features were added during the transition from Windows NT 4.0 to support the ...

Keyw ords: Access control lists, Microsoft Windows 2000, Windows NT, active directory

15 [Mop: an efficient and generic runtime verification framework](#)



Feng Chen, Grigore Roşu

October 2007 ACM SIGPLAN Notices, Volume 42 Issue 10

Publisher: ACM

Full text available: pdf(351.24 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 99, Citation Count: 0

Monitoring-Oriented Programming (MOP1) [21, 18, 22, 19] is a formal framework for software development and analysis, in which the developer specifies desired properties using definable specification formalisms, along with code to execute when properties ...

Keyw ords: aspect-oriented programming, monitoring-oriented programming, runtime verification

16 [Run-Time Support for Optimizations Based on Escape Analysis](#)

Thomas Kotzmann, Hanspeter Mossenbock

March 2007 CGO '07: Proceedings of the International Symposium on Code Generation and Optimization

Publisher: IEEE Computer Society

Full text available: pdf(207.93 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 37, Citation Count: 1

The JavaTM programming language does not allow the programmer to influence memory management. An object is usually allocated on the heap and deallocated by the garbage collector when it is not referenced any longer. Under certain conditions, the virtual ...

17 [Mop: an efficient and generic runtime verification framework](#)



Feng Chen, Grigore Roşu

October 2007 OOPSLA '07: Proceedings of the 22nd annual ACM SIGPLAN conference on Object oriented programming systems and applications

Publisher: ACM

Full text available: pdf(351.24 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 99, Citation Count: 0

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Keyw ords: aspect-oriented programming, monitoring-oriented programming, runtime verification

18 Taking email to task: the design and evaluation of a task management centered email tool



Victoria Bellotti, Nicolas Ducheneaut, Mark Howard, Ian Smith

April 2003 CHI '03: Proceedings of the SIGCHI conference on Human factors in computing systems

Publisher: ACM

Full text available: pdf(1.69 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 273, Citation Count: 54

Email has come to play a central role in task management, yet email tool features have remained relatively static in recent years, lagging behind users' evolving practices. The Taskmaster system narrows this gap by recasting email as task management ...

Keyw ords: ethnography

19 Group communication specifications: a comprehensive study



Gregory V. Chockler, Idid Keidar, Roman Vitenberg

December 2001 ACM Computing Surveys (CSUR), Volume 33 Issue 4

Publisher: ACM

Full text available: pdf(499.61 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 402, Citation Count: 35

View-oriented group communication is an important and widely used building block for many distributed applications. Much current research has been dedicated to specifying the semantics and services of view-oriented group communication systems (GCSs). However, ...

Keyw ords: Group communication systems, partitionable group membership, process group membership, specifications of group communication systems, view synchrony, virtual synchrony

20 Achieving adaptivity for OLAP-XML federations



Dennis Pedersen, Torben Bach Pedersen

November 2003 DOLAP '03: Proceedings of the 6th ACM international workshop on Data warehousing and OLAP

Publisher: ACM

Full text available: pdf(119.23 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 92, Citation Count: 1

Motivated by the need for more flexible OLAP systems, this paper presents work on logical integration of external data in OLAP databases, carried out in cooperation between the Danish OLAP client vendor targit and Aalborg University. Flexibility ...





Keyw ords: OLAP, XML, adaptivity, federated databases

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